WILLIAM PARK

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Skills

- **Languages:** JavaScript, Python, C++, HTML, CSS
- **Libraries/Frameworks:** React, React Hooks, React Router, Express.js, React Native, TensorFlow
- **Other:** Node.js, MongoDB, Git, Postman, Selenium WebDriver, Android Studio

Work Experience

Software Developer in Test – 360 Education Labs Inc   January 2020 - April 2020
Selenium WebDriver, Pivotal Tracker, TestRail

- Executed automation tests using **Selenium WebDriver** to verify expected site functionality for YuJa, a cloud-based video solutions platform designed for use by educational institutions and enterprises, reducing the time required to complete test cases by **10%**.
- Performed analysis and reporting on **Pivotal Tracker** tickets regarding ongoing web, desktop, and mobile application systems.
- Documented and updated test cases in **TestRail** to ensure consistency in the testing process for current and future developers.
- Recommended design and functionality aspects for web and mobile application features during daily SCRUM meetings based on client needs and specifications, primarily for the YuJa video conferencing application.

Projects & Activities

Resto Bot (Hack the North 2020++ Submission) – devpost.com/software/resto-bot   January 2021 - Present
Node.js, Express.js, MongoDB, Heroku, Wit.ai, Facebook Send API

- Developed an automated Facebook messenger chat bot with natural language processing support using **Wit.ai** to help groups decide on a restaurant to dine at together. **Finalist** in the **Best Use of Facebook API** category.
- Configured **webhooks** to establish a communication protocol between the application's **Node.js** server and the **Send API**, and handled payloads sent through webhooks using **JavaScript** to send appropriate callbacks in response to user-to-bot interactions.

Flicker – flickerapp.herokuapp.com   December 2020 - Present
React, Node.js, Express.js, MongoDB, Heroku, Socket.io

- Designed and deployed a web application that makes the process of choosing a show or movie on Netflix with a group of people more efficient through Tinder-esque selection sessions.
- Championed the development of the web application's front end by establishing an interactive UI using **React**, managing state and lifecycle features with **React Hooks**, and styling components with **CSS** and **CSS Media Queries** for mobile responsiveness.
- Architected an internal API with **Node.js** to validate user authentication and to also provide a channel for the front end to access user and show data stored in **MongoDB** collections through HTTP requests.
- Reviewed pull requests on a **Github** repository to restructure inefficiencies and enforce a standardized programming style.

Club President – KidSport PMSS   September 2016 - July 2019

- Lead a group of **25 club members** in organizing fundraisers and awareness events, to provide grants for underprivileged youth who do not have the financial resources to participate in organized sports.
- Assembled sub-teams to manage specific tasks during events, and oversaw all sub-team activites throughout the event-organization and -execution processes to assure budget management and adherence to the project timeline.

SHAD Fellow – SHAD Program   June 2018 - July 2018

- Earned the SHAD Fellow designation after being nominated to attend the award-winning STEM and entrepreneurship program.
- Created a design and business model with a team for an emergency evacuation kit to help increase resilience against wildfires in Canada, using prototype-development strategies taught during the program. **Won third place** in the presentation showcase.

Education

University of Waterloo – Waterloo ON   September 2019 - Present
Candidate for BASc in Computer Engineering

- **President's Scholarship of Distinction:** Awarded to students with an admission average of 95% or higher.
- **Nortel Networks Undergraduate Scholarship:** Awarded to outstanding students entering year one of electrical and computer engineering.